¹⁸ Photochemically Induced Circular Dichroism of Semiconductor Nanocrystals*

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Here, we report an investigation of optical activity which was photochemically induced by illumination of QRs and DiRs with circularly polarized light; the photo-induced circular dichroism was quantitatively estimated, and it was shown that the photo-induced chemical reaction proceeds selectively, depending on the handedness of circularly polarized light.

Keywords: chirality, optical activity, circular dichroism, photoinduced circular dichroism, semiconductor nanocrystals, quantum rods, quantum dot-in-rods.

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